

### DETAILED ACTION

1. The amendment filed 04/09/09 have been entered and made of record.
2. Claims 1-49 are pending.

### EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Larry J. Moskowitz (Reg. No. 42,911) on June 3, 2009.

The application has been amended as follows:

#### IN THE CLAIMS

Claim 13, lines 11- 12, replace "determining a number of subscriber stations sharing the sub-packet of the traffic channel and multiplexing of the traffic channel in accordance-with said demodulated control channel" by -- determining a number of subscriber stations sharing the sub-packet of the traffic channel and multiplexing of the traffic channel in accordance-with said demodulated first control channel --;

Claim 13, lines 16-18, replace "if the subscriber station identity of the second control channel matches an identity of the first subscriber station, demodulating the traffic channel in accordance with said determined multiplexing and the enabling" by -- if the

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subscriber station identity of the second control channel matches an identity of the first subscriber station, demodulating the traffic channel in accordance with said determined multiplexing and the enabling information ---;

Claim 27, lines 14-15, replace “channel is determined and the traffic channel demultiplexed in accordance with said demodulated first control channel” by -- channel is determined and the traffic channel multiplexed in accordance with said demodulated first control channel --;

***Allowable Subject Matter***

4. Claims 1-49 are allowed.

5. The following is a statement of reasons for the indication of allowable subject matter:

Claim 1 is allowed. The prior art fails to disclose generating, at least one second control channel only if the sub-packet is shared, the number of second control channels equal to the variable number of subscriber stations sharing the sub-packet of the traffic channel, each of said at least one second control channel comprising (a) an identity of at least one subscriber station intended to share the sub-packet and (b) information enabling the subscriber station to demodulate, the traffic channel

Claim 8 is allowed. The prior art fails to disclose demodulating a first control channel to determine whether a sub-packet of a traffic channel is to be shared by a plurality of

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subscriber stations;

if the sub-packet of the traffic, channel is to be shared, determining a number of subscriber stations sharing the sub-packet of the traffic channel and multiplexing of the traffic channel in accordance with said demodulated first control channel;

demodulating a second control channel comprising (a) an identity of a subscriber Station intended to share the sub-packets and (b) information enabling the subscriber station intended to share the sub-packets to demodulate the traffic channel; and

if the subscriber station identity of the second control channel matches the identity of the first subscriber station, demodulating the traffic channel in accordance with said determined multiplexing and the enabling information.

Claim 13 is allowed. The prior art fails to disclose demodulating the received first control channel; determining a number of subscriber stations sharing the sub-packet of the traffic channel and multiplexing of the traffic channel in accordance-with said demodulated first control channel;

demodulating a second control channel comprising (a) an identity of a subscriber station and (b) information enabling the subscriber station intended to share the sub-packet to demodulate thee traffic channel; and

if the subscriber station identity of the second control channel matches an identity of the first subscriber station, demodulating the traffic channel in accordance with said determined multiplexing and the enabling information.

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Claim 27 is allowed. The prior art fails to disclose wherein the first control channel is configured to be received by a first subscriber station configured to demodulate the first control channel to determine whether a sub-packet. of a traffic channel is to be shared by a plurality of subscriber stations and if the sub-packet of the traffic channel is to be shared, a number of subscriber stations sharing the sub-packet of the traffic channel is determined and the traffic channel multiplexed in accordance with said demodulated first control channel;

and further wherein the second control channel is configured to be received and demodulated and comprises (a),an identity of a subscriber station intended to share the sub- packets and (b) information enabling the subscriber station intended to share the sub-packets to demodulate the traffic channel; and

if the subscriber station identity of the second control channel matches the, identity of the first subscriber station, the traffic. channel is configured to be received and demodulated in accordance with said determined multiplexing and the enabling information.

Claim 34 is allowed. The prior art fails to disclose wherein the at least one second control channel is generated only if the sub - packet is shared, the number of second control channels equal to the variable number of subscriber stations sharing the sub-packet of the traffic channel, wherein the at least one second control channel comprises: an identity of at least one subscriber station intended to share the sub-

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packet; and information enabling the subscriber station to demodulate the traffic channel

Claim 41 is allowed. The prior art fails to disclose wherein if the sub-packet of the traffic channel is robe shared, the number of subscriber Stations sharing the sub-packet of the traffic channel .is determined and the traffic channel is multiplexed in accordance with said demodulated first control channel;

further wherein the first subscriber station is configured to, demodulate a second control channel comprising (a) an identity of a subscriber stati0nintended to share the Sub-packets and (b) information enabling the subscriber station intended-to share the sub-packets to demodulate the traffic channel; and.

if the subscriber station identity of the second control channel matches the identity of the first subscriber station, the first subscriber station demodulates the traffic channel in accordance with said multiplexing and the enabling information.

Claim 46 is allowed. The prior art fails to disclose means for generating at least one second control channel only if the sub - packet is shared, the amount of second control channels generated equal to the varying amount of subscriber stations sharing the sub-packet of the traffic channel, each of said at least one second control channel comprising (a) an identity of at least one subscriber station intended to share the sub-packet and (b) information enabling the subscriber station to demodulate the traffic channel.

Claim 47 is allowed. The prior art fails to disclose means for demodulating a first control channel to determine whether a sub-packet of a traffic channel is to be shared by a plurality of subscriber stations;

means for determining a number of subscriber stations sharing the sub-packet of the traffic channel and multiplexing of the traffic channel in accordance with said demodulated first control channel if the sub-packet of the traffic channel is to be shared;

means for demodulating a second control channel comprising (a) an identity of a subscriber station intended to share the sub-packets and (b) information enabling the subscriber station intended to share the sub-packets to demodulate the traffic channel; and

means for demodulating the traffic channel in accordance with said determined multiplexing and the enabling information if the subscriber station identity of the. Second control channel matches the identity of a first subscriber station

Claim 48 is allowed. The prior art fails to disclose generating at least one second control channel only if the sub-packet is shared, the amount of second control channels generated equal to the variable amount of subscriber stations sharing the sub-packet of the traffic channel, each of said at least one second control channel.

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Claim 49 is allowed. The prior art fails to disclose demodulating a first control channel to ,determine whether a sub-packet of a traffic channel is to be shared by a plurality of subscriber stations;

determining a number of subscriber stations sharing the sub-packet of the traffic channel anti multiplexing of the traffic channel in accordance with said demodulated first control channel if the sub-packet of the traffic channel is to be shared,;

demodulating a second control channel comprising. (a) an identity of a subscriber station intended to share the sub-packets and (b) information enabling the subscriber station intended to share the sub-packets to demodulate the traffic channel; and.

demodulating the traffic channel in accordance with said determined multiplexing and the enabling information if the subscriber station identity of the second control channel matches the identity of a first subscriber station.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUONG T. HO whose telephone number is (571)272-3133. The examiner can normally be reached on 8:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sheikh Ayaz can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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